

20090309.ba v04\_n251.bam.20090309

>From ???@??? Mon Mar 9 15:10:44 2009 -0500  
Date: Mon, 9 Mar 2009 14:09:50 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 4251  
Message-Id: <20090309200951.C5E9610B266@srvr1.theporch.com>

### BOATANCHORS Digest 4251

Topics covered in this issue include:

- 1) Help With An LTV G133F  
by "Liles Garcia" <landn2@verizon.net>
- 2) Re: FWD: Police Detonate Ham Radio Equipment  
by "Ken" <n5cm@rtconline.com>
- 3) FWD: Police Detonate Ham Radio Equipment  
by "Ed Sieb" <esieb@sympatico.ca>
- 4) Signal generator  
by ray jefferson <rueatama7@gmail.com>
- 5) bringing up ps  
by "Bob Kemp" <bkemp@bobkemp.com>
- 6) RE: bringing up ps  
by RICHARD SOLOMON <w1ksz@q.com>
- 7) Re: bringing up ps  
by "Nick England" <nick@3rdtech.com>
- 8) Re: bringing up ps  
by "Nick England" <nick@3rdtech.com>
- 9) 6HF5's  
by Bob Kemp <bkemp@bobkemp.com>
- 10) Re: 6HF5's  
by Garey Barrell <k4oah@mindspring.com>
- 11) Re: 6HF5's  
by "Arden Allen" <gumbear@pacbell.net>
- 12) Re: 6HF5's  
by Scott Robinson <spr@earthlink.net>
- 13) variacs and 220v  
by "Nick England" <nick@3rdtech.com>
- 14) Re: variacs and 220v  
by Heinz Breuer <hbreuer@debitel.net>
- 15) RE: variacs and 220v  
by "Nick England" <nick@3rdtech.com>
- 16) Re: bringing up ps  
by Rhett George <rtg@ee.duke.edu>
- 17) FWD: WWV voice Silent key  
by Jerry Proc <jerry7proc@yahoo.com>
- 18) Re: bringing up ps

by "Arden Allen" <gumbear@pacbell.net>

-----  
From: "Liles Garcia" <landn2@verizon.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Help With An LTV G133F  
Date: Fri, 06 Mar 2009 21:49:38 -0800  
Message-id: <OBEDKFDGHEPDGADPPEHFKE DNCNAA.landn2@verizon.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7bit

Good evening Everybody,

I think that I need your-all's help because I am working on a radio that I have never even seen before. As in the subject line, it is an LTV G133F HF Receiver, and I know from what I have learned about it, that it is a modified Collins 51S-1. A friend sent it home with me because it would not do anything; this friend is not technical. I am helping him with some of his receivers; and, no, I don't charge any money for helping people. The radio has had previous work done on it, but it basically looks OK. Also, I don't have any Collins receivers in my collection ( except for my R-1247/GRC-129 ) so working on this radio will be new to me. This is why I need your help!!

I powered it up a few nights ago, and I got WWV on 10 MHz with a three-foot antenna, but that is all I got. The only other thing that I received was a lot of noise. I used the 600 ohm output which is all that I think that the radio has after all of the mods. I found the G133F information on BAMA and I will be using that also. I thought this radio would receive BC band, but I had no luck with that.

Here is my main question: Should I put some DeoxIT on the turret ball contacts? By the way, these contacts look exactly like those balls on the underside of some of our modern BGA integrated circuits!! I have some of the red liquid DeoxIT in a bottle that can dispense tiny drops. Here is what I thought about doing: put a drop on the ball contact and then turn the turret slowly 1/4 of a turn ( 90 degrees ), and then the same 1/4 of a turn back. Then do the remaining 3/4's of the turret. This procedure will take quite a bit of time because there are a lot of these turrets, but I don't think that these turrets should be over-lubricated.

What do you all do with these Collins turrets, and do they need to be cleaned every several years?

This radio has 1829 indicator lamps; it this some special pilot lamp or can I use a 47 pilot lamp for replacement? For some reason the lamps don't work, but they look OK. This is my next anomaly to solve. Many, many

thanks for your-all's help!! Everybody have a great rest of the weekend!!

Best regards from Aloha, Oregon,  
Liles Garcia  
landn2@verizon.net

-----  
Message-ID: <AD3E822D700148E39C83EFF92EC5F80B@yourb27fb1c401>  
From: "Ken" <n5cm@rtconline.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: FWD: Police Detonate Ham Radio Equipment  
Date: Sat, 7 Mar 2009 05:20:47 -0600  
MIME-Version: 1.0  
Content-Type: text/plain; format="flowed"; charset="iso-8859-1"; reply-type="response"  
Content-Transfer-Encoding: 7bit

----- Original Message -----  
From: "Ken" <n5cm@rtconline.com>  
To: <esieb@sympatico.ca>  
Sent: Saturday, March 07, 2009 5:16 AM  
Subject: Re: FWD: Police Detonate Ham Radio Equipment

> Hi Fellows,  
>  
> I've used a W2AU balun for over 30 years taken out of  
> service in 1980, still have it tho' the terminals have  
> rusted. Intend to rebuild it.

>  
> Ken N5CM

> ----- Original Message -----  
> From: "Ed Sieb" <esieb@sympatico.ca>  
> To: "Old Tube Radios" <boatanchors@theporch.com>  
> Sent: Friday, March 06, 2009 9:04 PM  
> Subject: RE: FWD: Police Detonate Ham Radio Equipment

>  
>  
>> If it was a W2AU balun, they blow up spontaneously.

>>  
>> Ed, VA3ES

>>  
>

--

I am using the free version of SPAMfighter.  
We are a community of 6 million users fighting spam.  
SPAMfighter has removed 313 of my spam emails to date.  
Get the free SPAMfighter here: <http://www.spamfighter.com/len>

The Professional version does not have this message

-----  
Message-ID: <BLU0-SMTP8759F7D0B051552A9998DEC9A30@phx.gbl>  
From: "Ed Sieb" <esieb@sympatico.ca>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: FWD: Police Detonate Ham Radio Equipment  
Date: Sat, 7 Mar 2009 21:18:28 -0500  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ken, the problem with W2AU baluns is A) they are voltage baluns and as such may exhibit an unbalanced condition, if the frequency of operation is too far outside of design parameters of the dipole, i.e. if the impedances get too far out of whack.

B) They cannot handle QRO power levels in AM operation. 1 KW of AM is equivalent to 4 KW PEP, which I'm not sure the W2AU is rated for.

Cordially,

Ed, VA3ES

-----Original Message-----  
From: Ken [mailto:n5cm@rtconline.com]  
Sent: March 7, 2009 6:17 AM  
To: esieb@sympatico.ca  
Subject: Re: FWD: Police Detonate Ham Radio Equipment

Hi Fellows,

I've used a W2AU balun for over 30 years taken out of service in 1980, still have it tho' the terminals have rusted. Intend to rebuild it.

Ken N5CM

----- Original Message -----

From: "Ed Sieb" <esieb@sympatico.ca>  
To: "Old Tube Radios" <boatanchors@theporch.com>  
Sent: Friday, March 06, 2009 9:04 PM  
Subject: RE: FWD: Police Detonate Ham Radio Equipment

> If it was a W2AU balun, they blow up spontaneously.  
>  
> Ed, VA3ES  
>

--  
I am using the free version of SPAMfighter.  
We are a community of 6 million users fighting spam.  
SPAMfighter has removed 313 of my spam emails to date.  
Get the free SPAMfighter here: <http://www.spamfighter.com/len>

The Professional version does not have this message

-----  
MIME-Version: 1.0  
Date: Sun, 8 Mar 2009 11:10:29 -0700  
Message-ID: <e00dbf450903081110ya976cb8h9915793cdb136a1d@mail.gmail.com>  
Subject: Signal generator  
From: ray jefferson <rueatama7@gmail.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Content-Type: multipart/alternative; boundary=00163628360ae10d0b04649f6eca

--00163628360ae10d0b04649f6eca  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Greetings: Many years ago thru AirForce surplus I purchased a signal generator. It has been a bullet proof unit but now need work. Problem is there is no AN/ designation on it and I need schematic for it. Designation on the plate say TS-4513C/U and AF33(600)-21461. Any info that would help me find something on this unit would be greatly appreciated. Many thanks.

Ray Jefferson,  
W7FNI....since 1934

--00163628360ae10d0b04649f6eca  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

\* \* \* \* \*

\* ---REMAINDER OF MESSAGE TRUNCATED--- \*

\* This post contains a forbidden message format \*

\* (such as an attached file, a v-card, HTML formatting) \*

\* Mail Lists at theporch.com only accept PLAIN TEXT \*

\* If your postings display this message your mail program \*

\* is not set to send PLAIN TEXT ONLY and needs adjusting \*

\* \* \* \* \*

--00163628360ae10d0b04649f6eca--

-----

Message-ID: <8908F41C8FD9490780E69A17EF2F4A9C@radio>  
From: "Bob Kemp" <bkemp@bobkemp.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: bringing up ps  
Date: Sun, 8 Mar 2009 18:25:37 -0500  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have to bring up a p/s wired for 220. All  
I have is a 110vac variac. Rather than  
rewire the p/s which I guess is one option.  
Is there an easier way to do this !  
The idea here is not to get killed doing  
it!  
Bob

=====

Bob Kemp  
Phone: 651-345-5345  
FAX: 651-345-2707  
mailto: bkemp@bobkemp.com  
website: <http://www.bobkemp.com>  
=====

-----

Message-ID: <BAY130-W36DEAB367D459446FB7126E0A30@phx.gbl>  
Content-Type: multipart/alternative;  
boundary="\_2caa7df2-c3e3-4f53-b78f-fa717b879623\_"  
From: RICHARD SOLOMON <w1ksq@q.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: bringing up ps  
Date: Sun, 8 Mar 2009 23:29:56 +0000  
MIME-Version: 1.0

--\_2caa7df2-c3e3-4f53-b78f-fa717b879623\_

```
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
```

Use two variacs in series.

$$= 20$$

73=2C Dick=2C W1KSZ

$$= 20$$

> From: bkemp@bobkemp.com

> To: boatanchors@theporch.com

```
> Subject: bringing up ps
```

```
> Date: Sun=2C 8 Mar 2009 18:25:37 -0500
```

$\geq 20$

```
> I have to bring up a p/s wired for 220. All=20
```

> I have is a 110vac variac. Rather than=20

```
> rewire the p/s which I guess is one option.=20
```

```
> Is there an easier way to do this !
```

> The idea here is not to get killed doing=20

```
> it!
```

> Bob

$\geq 20$

> =3D=  
=3D=3D=3D=3D=3D=3D=3D

---

-----  
Sent from my iPhone  
View my messages on Apple Mail & iMessage: [apple.com/mailapp](#)

> Bob Kemp

> Phone: 651-345-5345

> FAX: 651-345-2707

```
> mailto: bkemp@bobkemp.com
```

```
> website: http://www.bobkemp.com
```

[illegible]

$\geq 20$

--\_2caa7df2-c3e3-4f53-b78f-fa717b879623\_

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---
*      This post contains a forbidden message format
*      (such as an attached file, a v-card, HTML formatting)
*      Mail Lists at theporch.com only accept PLAIN TEXT
*      If your postings display this message your mail program
*      is not set to send PLAIN TEXT ONLY and needs adjusting
* * * * *
```

--\_2caa7df2-c3e3-4f53-b78f-fa717b879623\_--

-----  
Message-ID: <1F55C289BBC44DF78E1D05760DD7B770@cs.unc.edu>

From: "Nick England" <nick@3rdtech.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: bringing up ps

Date: Sun, 8 Mar 2009 19:44:39 -0400

MIME-Version: 1.0

Content-Type: text/plain;

format=flowed;

charset="iso-8859-1";

reply-type=original

Content-Transfer-Encoding: 7bit

Be Careful! - A variac is an autotransformer - so if you put two in series, the tap on the upper one will vary from 110 to 220 v & the bottom tap will vary from 0 to 110v. DO NOT tie the tap outputs together - you could end up with a dead short on your 220v!!

I suppose you could stick in a switch to select tap 1 or tap 2 and then start on #1 up to 110v and then switch over to #2 at that point.

I think you'd be better off with using a couple of isolation transformers as a 110v to 220v step up. Depending on how much juice you need to provide to the p/s, if you don't have isolation xfmr's, you can use three filament xfmr's to make a 110v to 6.3v to 220v rig for example  
Nick K4NYW

----- Original Message -----

From: "RICHARD SOLOMON" <w1ksz@q.com>

To: "Old Tube Radios" <boatanchors@theporch.com>

Sent: Sunday, March 08, 2009 7:29 PM

Subject: RE: bringing up ps

Use two variacs in series.

73, Dick, W1KSZ

> From: bkemp@bobkemp.com

> To: boatanchors@theporch.com

> Subject: bringing up ps

> Date: Sun, 8 Mar 2009 18:25:37 -0500

>

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> I have is a 110vac variac. Rather than  
> rewire the p/s which I guess is one option.  
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>

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> Bob Kemp  
> Phone: 651-345-5345  
> FAX: 651-345-2707  
> mailto: bkemp@bobkemp.com  
> website: http://www.bobkemp.com  
> =====  
>

-----  
Message-ID: <D573FFA806614FAB8A71A4030DB393B8@cs.unc.edu>

From: "Nick England" <nick@3rdtech.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: bringing up ps

Date: Sun, 8 Mar 2009 19:48:28 -0400

MIME-Version: 1.0

Content-Type: text/plain;

format=flowed;

charset="iso-8859-1";

reply-type=response

Content-Transfer-Encoding: 7bit

Oh wait - now I see - you hook the load across the two taps - start with the  
bottom tap up and the upper tap down.

Please pardon my previous "type before thinking" message. You learn  
something new every day.

cheers,

Nick K4NYW

----- Original Message -----

From: "Nick England" <nick@3rdtech.com>

To: "Old Tube Radios" <boatanchors@theporch.com>

Sent: Sunday, March 08, 2009 7:44 PM

Subject: Re: bringing up ps

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> series, the tap on the upper one will vary from 110 to 220 v & the bottom  
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> xfmr's to make a 110v to 6.3v to 220v rig for example  
> Nick K4NYW

>  
> ----- Original Message -----  
> From: "RICHARD SOLOMON" <w1ksz@q.com>  
> To: "Old Tube Radios" <boatanchors@theporch.com>  
> Sent: Sunday, March 08, 2009 7:29 PM  
> Subject: RE: bringing up ps

>  
>  
>  
> Use two variacs in series.

>  
>  
>  
> 73, Dick, W1KSZ

>  
>> From: bkemp@bobkemp.com  
>> To: boatanchors@theporch.com  
>> Subject: bringing up ps  
>> Date: Sun, 8 Mar 2009 18:25:37 -0500  
>>  
>> I have to bring up a p/s wired for 220. All  
>> I have is a 110vac variac. Rather than  
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>> Bob Kemp  
>> Phone: 651-345-5345  
>> FAX: 651-345-2707  
>> mailto: bkemp@bobkemp.com  
>> website: http://www.bobkemp.com  
>> =====  
>>  
>  
>

-----

Message-ID: <49B47BC5.3080109@bobkemp.com>  
Date: Sun, 08 Mar 2009 20:15:33 -0600  
From: Bob Kemp <bkemp@bobkemp.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: 6HF5's  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Anyone have a stash of used/tested good 6HF5's they would sell rather cheaply.

I got ahold of a Galaxy 2000 and need 10 of 'em.

Bob

-----  
Message-ID: <49B4891A.1060002@mindspring.com>  
Date: Sun, 08 Mar 2009 23:12:26 -0400  
From: Garey Barrell <k4oah@mindspring.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: 6HF5's  
Content-Type: text/plain; charset=ISO-8859-1; format=flowed  
Content-Transfer-Encoding: 7bit

Gee Bob, the last time I bought a set for my Galaxy 2000+, a matched set of ten was \$29.95 ! :-)

73, Garey - K40AH  
Glen Allen, VA

Drake 2-B, 4-B, C-Line & TR-4/C Service Supplement CDs  
<www.k4oah.com>

Bob Kemp wrote:

> Anyone have a stash of used/tested good 6HF5's they would sell rather  
> cheaply.

> I got ahold of a Galaxy 2000 and need 10 of 'em.

> Bob

>

>

-----  
Message-ID: <003a01c9a06d\$a8bc9360\$eb9e480c@KB6NAX>  
From: "Arden Allen" <gumbear@pacbell.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: 6HF5's

Date: Sun, 8 Mar 2009 21:14:44 -0700  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> Gee Bob, the last time I bought a set for my Galaxy 2000+, a matched set  
> of ten was \$29.95 !

The operant requirement is, "matched." Just a bunch of 6HF5's from various  
manufacturers and operating hours will lead to grief. Stick to one  
manufacturer, GE being the best bet. Be careful when taking out a 2nd  
mortgage to get a set, the banks are tipping over everywhere ;-)

Arden Allen  
KB6NAX

Adopt a shelter dog,  
save an innocent life,  
and make a friend forever =:-)

-----  
Mime-Version: 1.0  
Message-Id: <p06240807c5da543f6662@[192.168.1.5]>  
Date: Sun, 8 Mar 2009 22:06:39 -0700  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Scott Robinson <spr@earthlink.net>  
Subject: Re: 6HF5's  
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Yes, and we should be so lucky that they forget what they are owed  
when they do...

/scott

At 9:14 PM -0700 3/8/09, Arden Allen wrote:

> > Gee Bob, the last time I bought a set for my Galaxy 2000+, a matched set  
>> of ten was \$29.95 !

>

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>Arden Allen  
>KB6NAX

>

>Adopt a shelter dog,

>save an innocent life,  
>and make a friend forever =:-)

-----  
From: "Nick England" <nick@3rdtech.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: variacs and 220v  
Date: Mon, 9 Mar 2009 09:03:09 -0400  
Message-ID: <65B5CD0605AA4BBE883585C1F827CE30@Heathkit2>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="us-ascii"  
Content-Transfer-Encoding: 7bit

I can only say that I have a bad cold and medicine must have been affecting my brain - somehow I thought the question was about using 110v variacs with 220v in and 220v out.

But it wasn't - it was can you use a variac or two to step up from 110v to 220v. I think the answer is "nope".

Well to be absolutely correct perhaps the answer is "briefly, accompanied by smoke" - just set the tap to halfway and apply 110v between tap and common and you'll get 220v (briefly) at what would normally be used for input. The smoke will mainly be emitted between tap and common.

I gotta stop taking these meds.....

my apologies to the list,  
Nick K4NYW

-----  
Message-ID: <49B516C9.5070304@debitel.net>  
Date: Mon, 09 Mar 2009 14:16:57 +0100  
From: Heinz Breuer <hbreuer@debitel.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: variacs and 220v  
Content-Type: text/plain; charset=ISO-8859-1; format=flowed  
Content-Transfer-Encoding: 7bit

I think it will work if you use two variacs set to halfway between common and tap in series and apply 110V, you will get 220V out. This will be smoke free if the variacs are rated for 50Hz and not for 60Hz only. Best would be if the variacs are identical and total Pout is well below half the maximum variac rating of each variac.

Heinz DH2FA, KM5VT

Nick England schrieb:

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> my brain - somehow I thought the question was about using 110v variacs with  
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> But it wasn't - it was can you use a variac or two to step up from 110v to  
> 220v. I think the answer is "nope".  
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>  
> my apologies to the list,  
> Nick K4NYW  
>  
>  
>

-----  
From: "Nick England" <nick@3rdtech.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: variacs and 220v  
Date: Mon, 9 Mar 2009 09:25:27 -0400  
Message-ID: <E3B0919AB94647CFA0A540D8ECF27E95@Heathkit2>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Why oh why do these things keep swirling around in my head???

Take two variacs and wire the inputs in series - now use this as the 220v output. Set both taps to halfway and apply 110v across the taps. Rube Goldberg / Heath Robinson would love it, but it should work, right?

OK, OK, I'll go back to sleep now.  
Nick K4NYW

-----Original Message-----

From: owner-boatanchors@theporch.com [mailto:owner-boatanchors@theporch.com]  
On Behalf Of Nick England  
Sent: Monday, March 09, 2009 9:03 AM

To: Old Tube Radios  
Subject: variacs and 220v

I can only say that I have a bad cold and medicine must have been affecting my brain - somehow I thought the question was about using 110v variacs with 220v in and 220v out.

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I gotta stop taking these meds.....

my apologies to the list,  
Nick K4NYW

-----  
Date: Mon, 9 Mar 2009 12:59:15 -0400  
From: Rhett George <rtg@ee.duke.edu>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: bringing up ps  
Message-ID: <20090309165915.GB4490@ee.duke.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

On Sun, Mar 08, 2009 at 06:25:37PM -0500, Bob Kemp wrote:

> I have to bring up a p/s wired for 220. All  
> I have is a 110vac variac. Rather than  
> rewire the p/s which I guess is one option.  
> Is there an easier way to do this !  
> The idea here is not to get killed doing  
> it!  
> Bob  
>  
> =====  
> Bob Kemp  
> =====  
>  
- Bob -

Thanks for such a great question. I have not before seen such a variety of ways of connecting Variacs, etc.

If you have but one Variac and either an isolation (1:1 ratio) transformer or two hefty filament transformers to use as an insulation transformer, you might try this method. Bring the ps up from 0 V to 110 V on the Variac alone. After satisfying yourself about the goodness of the ps at 110 V, turn off the Variac and disconnect it from the ps. Connect Variac output in series with the isolation transformer and test across series connected outputs to establish if voltage rises from 110 V to 220 V as Variac is advanced (desired) or drops back toward 0 V (not desired). The latter can be corrected by reversing leads from the isolation transformer.

Good luck and keep one hand in your pocket.

Rhett - KE4HIH

-----  
Message-ID: <552514.33389.qm@web90603.mail.mud.yahoo.com>  
Date: Mon, 9 Mar 2009 13:04:11 -0700 (PDT)  
From: Jerry Proc <jerry7proc@yahoo.com>  
Subject: FWD: WWV voice Silent key  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

FWD: From the Radio Officers mail list

\*\*\*\*\*

WWV voice Silent key

The person behind the recorded voice of Time and Frequency Station WWV has passed away. Announcer Don Elliot Heald, of Atlanta, Georgia, who gave WWV its human touch, passed away on Thursday, February 19th.

BV OM SK

73  
DR

--  
Regards,  
Jerry Proc  
E-mail: jerry7proc@yahoo.com



-----  
Instant Messaging, free SMS, sharing photos and more... Try the new Yahoo! Canada  
Messenger at <http://ca.beta.messenger.yahoo.com/>

-----  
Message-ID: <004301c9a0f3\$03b37740\$dd9d480c@KB6NAX>

From: "Arden Allen" <gumbear@pacbell.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: bringing up ps

Date: Mon, 9 Mar 2009 13:09:47 -0700

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> .....Connect Variac output in series with the isolation transformer and  
> test  
> across series connected outputs to establish if voltage rises from 110 V  
> to 220 V as Variac is advanced (desired) or drops back toward 0 V (not  
> desired). The latter can be corrected by reversing leads from the iso-  
> lation transformer.

To clarify this, connect the PRIMARY of the 1:1 isolation transformer  
between the variac rotor and common (neutral). Connect the SECONDARY of the  
1:1 isolation transformer **\*\*phase aiding\*\*** in series with the variac rotor  
and the input to the load. Connect the load's return input to common  
(neutral). In other words, the output of the isolation transformer is  
stacked on top of the output from the variac. If one winding of the  
isolation transformer is connected in **\*\*phase opposition\*\*** the output voltage  
will remain at zero volts regardless of the position of the variac's rotor  
(Rhett got it wrong).

Arden Allen  
KB6NAX

Adopt a shelter dog,  
save an innocent life,  
and make a friend forever =:-)

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End of BOATANCHORS Digest 4251  
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